## INTERNATIONAL SEARCH REPORT



International Application No T/EP2004/050808

A. CLAS	SIFICATION OF SUBJECT MATTER		FC1/EP2004/050808
IPC 7	H01R13/658		
			•
According	g to International Patent Classification (IPC) or to both national classification	assification and IPC	
Lo. LIEFF	S SEARCHED		
IPC 7	documentation searched (classification system followed by class $H01R$	sification symbols)	
Document	lation searched other than minimum documentation to the extent	that such deans	
ł	The state of the s	mar such documents are include	d in the fields searched
Electronic	data base consulted during the international search (name of de	to hoose — )	
EPO-I	nternal, WPI Data, PAJ	aa base and, where practical, se	arch terms used)
	, , , , , , , , , , , , , , , , , , , ,		
C. DOCUM	TENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·
Category •	Citation of document, with indication, where appropriate, of the		
	, where appropriate, of the	e relevant passages	Relevant to claim No.
Α	US 5 167 531 A (DAVIS WAYNE S	FT ALL	
	1 1 December 1992 (1997-19-01)	LI AL)	1–16
	cited in the application the whole document		.
Α	US 6 074 223 A (HUANG WAYNE)	1-16	
	13 June 2000 (2000-06-13) column 2, line 13 - line 26		
Δ.	·		
A	US 5 073 130 A (NAKAMURA MASAH)	1-16	
	17 December 1991 (1991-12-17) column 6, line 54 - column 7, 1		
A	· <del></del>		ł
^	US 6 095 862 A (DOYE DENNIS LEE 1 August 2000 (2000-08-01)	1-16	
	cited in the application		
	abstract		
Furth	er documents are listed in the continuation of box C.		
	egories of cited documents :	X Patent family memb	ers are listed in annex.
A* documer	at defining the gaparet state of the	*T* later document published	after the international filing date
	nt defining the general state of the art which is not ored to be of particular relevance	or phority date and not incited to understand the invention	after the international filing date n conflict with the application but principle or theory underlying the
L" documen	f which may there are a	"X" document of particular ro	Olomona Harada
which is citation	it which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified)	involve an inventive ster	When the document is taken at a
O' document other me	II feletting to an oral disclosure.	document is combined to	evance; the claimed invention involve an inventive step when the fifth one or more other such docu-
ocumen Eater tha	t published prior to the international filing date but in the priority date claimed	in the art.	being obvious to a person skilled
	clual completion of the international search	*& document member of the	
		Date of mailing of the inte	mational search report
7 September 2004		16/09/2004	1
me and mailing address of the ISA		Authorized officer	
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel (431-70) 240, 2040 Tv. oz est	STATE STATES	1
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Demol, S	
PCT//SA/210	Innovation 1994	1	į į

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No T/EP2004/050808

Delay de anno de					
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5167531	A 	01-12-1992	DE DE EP JP JP KR	69309761 D1 69309761 T2 0561497 A1 2892903 B2 6029061 A 183463 B1	22-05-1997 13-11-1997 22-09-1993 17-05-1999 04-02-1994 15-05-1999
US 6074223	Α	13-06-2000	CN TW	2401923 U 424986 Y	18-10-2000 01-03-2001
US 5073130	A 	17-12-1991 	JP KR	3079175 U 9402664 Y1	12-08-1991 22-04-1994
US 6095862		01-08-2000	CN EP JP JP SG TW	1264198 A 1026785 A2 3194228 B2 2000228258 A 82665 A1 470229 Y	23-08-2000 09-08-2000 30-07-2001 15-08-2000 21-08-2001 21-12-2001